



April 18, 2002

CCN 31706

Mr. Peter J. Dirkmaat, Project Manager
OU 7-10 GEM Project
U.S. Department of Energy
Idaho Operations Office
850 Energy Drive, MS 1154
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Environmental Restoration
U.S. Department of Energy
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**CONTRACT NO. DE-AC07-99ID13727 - OPERABLE UNIT 7-10 GLOVEBOX EXCAVATOR
METHOD PROJECT, CRITICAL DECISION 3A SUBMITTAL DOCUMENTS**

Reference: P. J. Dirkmaat Memorandum to W. E. Bergholz, EM-INTEC-02-021, Approval of Critical Decision (CD-3a), Early Procurement and Site Utilities Work for OU 7-10 Glovebox Excavator Method (GEM) Project Located at the Radioactive Waste Management Complex (RWMC) at the Idaho National Engineering and Environmental Laboratory (INEEL), April 18, 2002

Dear Mr. Dirkmaat and Ms. Hain:

This follows Critical Decision (CD)-3a authorization by the DOE Acquisition Executive, as documented in the reference memorandum. Enclosed are copies of the principal engineering output documents associated with the CD-3a scope of work, for DOE transmittal to the agencies. Comments from the agencies should be provided within fifteen days of receipt. Notwithstanding this comment period, as agreed with DOE, and in accordance with the Project Execution Plan, we are proceeding with procurement and construction activities for the CD-3a scope of work. This schedule is necessary to meet project milestones and accelerated performance baseline objectives.

As agreed with DOE in our management briefing on April 11, 2002, the documentation associated with Critical Decision work scope to be furnished to the agencies consists of engineering output documents (i.e., the end products from which materials and construction services are procured as presented in the enclosure).

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If you have any questions or comments, please contact Mike Pratt at 526-5565, or me at 526-3029.

Sincerely,

A handwritten signature in black ink, appearing to read "John M. Schaffer", is written over a horizontal line.

John M. Schaffer
Acting Manager of Projects, WAG 7
Environmental Restoration

MBP:mp

Enclosures

cc: C. D. Cutler, (w/o Encl), MS 3810
R. J. Hoyles, (w/o Encl), DOE-ID, MS 1221
K. C. O'Neill, DOE-ID, MS 1222
J. G. Snook, DOE-ID, MS 1222

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bcc: (w/o Encl)
S. A. Davies, MS 3920
M. B. Pratt, (w/ Encl), MS 3920
D. E. Wilkins, MS 3920
ARDC Files, (w/ Encl), MS 3922
Correspondence Control, MS 3106
OU 7-10 File (w/ Encl)
J. M. Schaffer File
D. K. Jorgensen Letter File (DKJ-73-02)

Uniform File Code: 6400

Disposition Authority: ENV1-k-2-b

Retention Schedule: Cutoff at project completion. Destroy 25 years after project completion. EPI

NOTE: Original disposition authority, retention schedule, and Uniform Filing Code applied by the sender may not be appropriate for all recipients. Make adjustments as needed.

OU 7-10 Glovebox Excavator Method Project CD-3a Deliverables List

SITE PREPARATION AND UTILITIES PACKAGE

Specifications

SPC-352, "Construction Specification Sections," Revision 1, Effective Date: April 16, 2002

Division 1, General Requirements

- 01005 Summary of Work
- 01051 Construction Surveying and Staking
- 01300 Submittals

Division 2, Site and Civil Engineering

- 02200 Earthwork
- 02486 Revegetation

Division 3, Concrete

- 03300 Cast in Place Concrete
- 03400 Precast Concrete

Division 5, Metals

- 05100 Structural Steel and Miscellaneous Metals

Division 9, Painting

- 09900 Painting

Division 13, Special Facilities

- 13505 Underground Fire Protection Piping
- 13911 Dry Pipe Fire Protection System
- 13914 Manual Deluge Systems (Fire Hydrant and Fixed Nozzle)

Division 16, Electrical

- 16000 Electrical General Provisions
- 16110 Electrical Raceways
- 16120 Cable, Wire, Connectors and Miscellaneous Devices
- 16124 Insulated Medium Voltage Cable and Connectors
- 16360 Disconnect Switches 600 V and less
- 16450 Grounding
- 16603 Automatic Transfer Switch, Delayed Transition Type

Drawings

DWG-519870 Site Map, Sheet T-1, Area Map, and Drawing Index
DWG-519871 Sheet C-1, Existing Site Contour Plan
DWG-519872 Sheet C-2, Construction Access Road Plan
DWG-519873 Sheet C-3, Site Grading and Drainage Plan
DWG-519874 Sheet C-4, Plans, Sections, and Details
DWG-519875 Sheet C-5, Sections and Details
DWG-519876 Sheet S-1, Sections and Details
DWG-519877 Sheet S-2, Sections and Details
DWG-519878 Sheet FP-1, Plot Plan
DWG-519879 Sheet FP-2, Enlarged Plot Plan and Sections
DWG-519880 Sheet FP-3, Sections and Details
DWG-519881 Sheet E-1, One Line Diagram
DWG-519882 Sheet E-2, Plot Plan
DWG-519883 Sheet E-3, Enlarged Plan and Section at Pole 42-129-16
DWG-519884 Sheet E-4, Enlarged Plan at Support Area and Fire Riser Building
DWG-519885 Sheet E-5, Grounding Plan and Enlarged Load Center Plan
DWG-519886 Sheet E-6, Section, Details and Views
DWG-519887 Sheet E-7, WMF-657 Floor Plan, Panel Schedule, Section and Elevation

RETRIEVAL CONFINEMENT STRUCTURE PACKAGE

Specifications

SPC-358, "A-E Performance Specification—OU 7-10 Glovebox Excavator Method Project - Retrieval Confinement Structure," Revision 0, Effective Date: April 4, 2002

Appendix A, Vendor Data Schedule

Form 431.14, Revision 0, Vendor Data Schedule

Appendix B, Drawings

DWG-519888, Sheet T-1, Site Map, Area Map and Drawing Index

DWG-519889, Sheet A-1, Floor Plan and Legends

DWG-519890, Sheet A-2, Elevations

DWG-519891, Sheet A-3, Views

DWG-519892, Sheet A-4, Views

DWG-519893, Sheet A-5, Views

DWG-519894, Sheet A-6, Roof Plan, Details, and Legend

DWG-519895, Sheet A-7, Glove Box Connection Section and Details

Appendix C, Penetrations, Attachments, and Interfaces for RCS and Related Structures

Appendix D, Fire Protection Piping Layout Drawings (for information only)

Sheet FP-4, WES Lower Plan

Sheet FP-8, RCS Plan

Appendix E, Proposed Lighting Fixture Vendor Cut Sheets

Appendix F, EDF-2053, "Retrieval Confinement Structure Analysis and Loading

Criteria," Revision 0, Effective Date: April 4, 2002

PACKAGING GLOVEBOX SYSTEM FISSILE MATERIAL MONITORING SYSTEM

Specifications

SPC-355, "Performance Specification: OU 7-10 Glovebox Excavator Fissile Material Monitor,"
Revision 0, Effective Date: March 15, 2002

SPC-360, "OU 7-10 Glovebox Excavator Method Project Design Input for Fissile Material
Monitoring System (FFMS)," Revision 0, Effective Date: March 25, 2002

Drawings

Fissile Material Monitoring Interface Drawings

FMM Equipment Layout-View 1

FMM Equipment Layout-View 2

FMM Layout Sections

Facility Plan View